

SEQUENCE LISTING

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50 55 60
Glu Phe Asp Lys Lys Gly Asn Glu Lys Lys Ser Asn Leu Asp Arg Leu
65 70 75 80
Leu Glu Lys Asp Asn Gln Glu Lys Glu Glu Ala Lys Thr Lys Ile His
85 90 95
Ile Ser Glu Gln Pro Trp Thr Leu Asn Asn Trp His Gln His Leu Asn
100 105 110
Trp Leu Asn Met Val Leu Val Cys Gly Met Pro Met Ile Gly Trp Tyr
115 120 125
Phe Ala Leu Ser Gly Lys Val Pro Leu His Leu Asn Val Phe Leu Phe
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Ser Val Phe Tyr Tyr Ala Val Gly Gly Val Ser Ile Thr Ala Gly Tyr
145 150 155 160
His Arg Leu Trp Ser His Arg Ser Tyr Ser Ala His Trp Pro Leu Arg
165 170 175
Leu Phe Tyr Ala Ile Phe Gly Cys Ala Ser Val Glu Gly Ser Ala Lys
180 185 190
Trp Trp Gly His Ser His Arg Ile His His Arg Tyr Thr Asp Thr Leu
195 200 205
Arg Asp Pro Tyr Asp Ala Arg Arg Gly Leu Trp Tyr Ser His Met Gly
210 215 220
Trp Met Leu Leu Lys Pro Asn Pro Lys Tyr Lys Ala Arg Ala Asp Ile
225 230 235 240
Thr Asp Met Thr Asp Asp Trp Thr Ile Arg Phe Gln His Arg His Tyr
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Ala His Tyr Ile Gly Thr Gln Pro Phe Asp Asp Arg Arg Thr Pro Arg
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Phe His His Glu Phe Pro Thr Asp Tyr Arg Asn Ala Ile Lys Trp Tyr
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3

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<212> DNA

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<220>

<223> synthetic yeast delta-9 desaturase gene modified
 for expression in plants

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<212> PRT

<213> Arabidopsis thaliana

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          35          40          45
Ile Pro Arg Ser Phe Ser Tyr Leu Ile Ser Asp Ile Ile Ile Ala Ser
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[illegible]

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<213> Arabidopsis thaliana
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